CLAIMS

What is claimed is:

1. A method for intelligent spellchecking, comprising:

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled.

2. The method of claim 1, further comprising:

parsing the sentence to produce a first parse;

examining a list of words in the sentence and identifying a confusable original word along with its potential replacement;

replacing the confusable word with its replacement to produce a resulting sentence; and

parsing the resulting sentence to produce a second parse.

3. The method of claim 2, further comprising:

comparing slot-filling information of the first parse to slot-filling statistics for the original word.

4. The method of claim 3, further comprising:

comparing slot-filling information of the second parse to the slot-filling statistics for the replacement word.

5. The method of claim 4, further comprising:

comparing two matches with the slot-filling statistics found for the original word and the replacement word.

6. The method of claim 5, wherein a better match indicates the preferred spelling in context.

7. The method of claim 2, wherein said first and second parses produce a parse score and in determining a parse score each parse automatically considers a slot-filling statistics of the original word and the replacement word.

8. The method of claim 2, wherein a comparison of the matches includes checking both a mother designation and a daughter designation of words in said sentence.

9. The method of claim 1, wherein a decision as to which word is best depends on comparing first and second parse scores, independently of any use of lexical statistics.

10. The method of claim 1, wherein a selection of a best match for a word determined to be misspelled is performed by comparing first and second parse scores.

11. A system for intelligent spellchecking, comprising:

a spell checker for performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled.

12. The system of claim 11, further comprising:

a parser for parsing the sentence to produce a first parse;

a detector for examining a list of words in the sentence and identifying a confusable original word along with its potential replacement; and

a replacement module for replacing the confusable word with its replacement to produce a resulting sentence,

said parser parsing the resulting sentence to produce a second parse.

13. The system of claim 12, further comprising:

a comparison module for comparing slot-filling information of the first parse to slot-filling statistics for the original word, for comparing slot-filling information of the second parse to the slot-filling statistics for the replacement word, and for comparing two matches with the slot-filling statistics found for the original word and the replacement word.

14. The system of claim 13, wherein a better match indicates the preferred spelling in context.

15. The system of claim 12, wherein said parser produces first and second parse scores and in determining a parse score each parse automatically considers a slot-filling statistics of the original word and the replacement word.

16. The system of claim 12, wherein a comparison of the matches includes checking both a mother designation and a daughter designation of words in said sentence.

17. The system of claim 11, further comprising a judgment module for making a decision as to which word is best based on comparing first and second scores, independently of any use of lexical statistics.

18. The system of claim 11, further comprising a selector for selecting a best match for a word determined to be misspelled.

19. The system of claim 11, wherein a selection of a best match for a word determined to be misspelled is performed by comparing first and second parse scores.

20. A method for intelligent spellchecking, comprising:

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, by performing a first and second parse to

obtain a first and second parse score, in determining whether the word is misspelled.

21. The method of claim 20, wherein a decision as to which word is best depends on comparing said first and second parse scores.

22. The method of claim 21, wherein said decision is made independently of any use of lexical statistics.

23. A signal-bearing medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method for computer-implemented intelligent spellchecking, said method comprising:

performing a spellchecking of a word by considering an entire sentence and a structure of the entire sentence, in determining whether the word is misspelled.